

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	sarah near2 redpath	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:43
L2	3	randy near2 rendahl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:44
L3	7	robert near2 uthe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:44
L4	17	l1 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:50
L5	1	l2 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:46
L6	2	l3 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:45
L7	8	displaying near layered near data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:51
L8	2	l7 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:51

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10 pages

L9	21	displaying near level near data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:51
L10	16	l9 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:53
L11	16373	monitoring near3 network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:54
L12	8997	l11 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:54
L13	57	monitoring near3 network near3 graphical\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:54
L14	36	l13 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 09:03
L15	14	tivoli near netview	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 09:03
S1	444	(display near attribute) and layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 13:23
S2	127	((display near attribute) and layer) and (("345"/\$)!ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/11 07:56

S3	0	((display near attribute) and layer) and (("345"/\$)!ccls.) and ((345/606).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/11 07:56
S4	0	((display near attribute) and layer) and ((382/303).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/11 07:56
S5	9	((display near attribute) and layer) and (("345"/\$)!ccls.) and ((345/619).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/11 07:56
S6	4	((display near attribute) and layer) and (("345"/\$)!ccls.) and ((345/581).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/11 08:21
S7	40	(display and attribute and layer and object) and ((345/619).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 10:05
S8	1	("6091893").PN.	USPAT; USOCR	OR	OFF	2003/03/11 12:08
S9	0	("20020057282A1").PN.	USPAT; USOCR	OR	OFF	2003/03/17 10:05
S10	0	(2002/0057282A1).CCLS.	USPAT; USOCR	OR	OFF	2003/03/17 10:06
S11	0	("us20020057282A1").PN.	USPAT; USOCR	OR	OFF	2003/03/17 10:06
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S13	0	("US20020057282A1").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/17 10:07
S14	8985	display and attribute and layer and object	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 10:13

S15	2782064	yoshida et "al."	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 10:14
S16	62	Yasunari near yoshida	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/03/17 10:14
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S20	2	("5907704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 13:28
S21	2	("5831631").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 13:28
S22	2	("6144962").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 13:33
S23	2	("6091893").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 13:36

S24	2	("6031537").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 13:38
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S26	2	("5958012").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 14:09
S27	2	("5317689").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 14:10
S28	2	("5831618").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/25 14:10
S29	518	((345/853).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:16
S30	8	((345/853).ccls.) and (display near attribute) and layers	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:46
S31	19	((345/\$)!.ccls.) and (display near attribute) and (object near4 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:46
S32	0	((345/\$)!.ccls.) and (display near attribute) and (architectual with view)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:48

S33	13	((("345"/\$)!ccls.) and (display near attribute) and (architecture with view)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:56
S34	5	((("345"/\$)!ccls.) and "topology map information"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 14:59
S35	28	network and "topology map information"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 15:26
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S37	0	inventory and network and "topology map information"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 15:27
S38	0	inventory and "topology map information"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 15:27
S39	13217	inventory and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 15:27
S40	528	(inventory and network) and topology and map	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/25 15:28
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S46	0	("(displaynearattribute)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/06 15:40
S47	3609	(display near attribute)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 15:54
S48	26	S47 near5 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 15:41
S49	20	S48 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/29 08:44
S50	849	((345/619).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/07 08:50

S51	19	S50 and distinguishable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:06
S52	9857	match\$5 and grouping and management	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:01
S53	9	S52 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:01
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S55	22055	network near management	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:05
S56	13364	S55 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:06
S57	141	S56 and distinguishable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:07
S58	1	S57 and (("345"/\$)!ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:09

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S60	0	S59 and graphicaly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:10
S61	49	S59 and graphic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:10
S62	47	S61 and displaying	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:11
S63	15	S62 and layout	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:11
S64	6	S63 and recogniz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:15
S65	8	S63 and monitoring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 16:16
S66	845	((345/629)..cls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/07 08:50

S67	652	S66 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/07 08:51
S68	117	S67 and (display near object)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/07 08:51
S69	5	S68 and (different near2 group)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/07 08:52



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Relevance scale ☐ ☐ ☐ ☐ ☐**41** [The theory of direct probability redistribution and its application to rare event simulation](#) ☐

Zsolt Haraszti, J. Keith Townsend

April 1999 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 9 Issue 2Full text available: pdf(322.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Rare event simulation is an important area of simulation theory, producing algorithms that can significantly reduce the simulation time when analyzing problems that involve rare events. However, existing rare event simulation techniques are rather restrictive, i.e., applicable only to systems with modest complexity. In this paper, we first develop a Markov chain transformation theory that can redistribute steady-state probabilities in a finite-size discrete-time Markov chain in an arbitrary ...

Keywords: DPR, RESTART, accelerated simulation, discrete event simulation, importance sampling, queuing, rare event simulation, splitting

42 [The string B-tree: a new data structure for string search in external memory and its applications](#) ☐

Paolo Ferragina, Roberto Grossi

March 1999 **Journal of the ACM (JACM)**, Volume 46 Issue 2Full text available: pdf(363.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We introduce a new text-indexing data structure, the String B-Tree, that can be seen as a link between some traditional external-memory and string-matching data structures. In a short phrase, it is a combination of B-trees and Patricia tries for internal-node indices that is made more effective by adding extra pointers to speed up search and update operations. Consequently, the String B-Tree overcomes the theoretical limitations of inverted files, B-trees, prefix B-trees, s ...

Keywords: B-tree, Patricia trie, external-memory data structure, prefix and range search, string searching and sorting, suffix array, suffix tree, text index

43 [Discovery learning in introductory operating system courses](#) ☐

Uta Ziegler

March 1999 **ACM SIGCSE Bulletin , The proceedings of the thirtieth SIGCSE technical symposium on Computer science education**, Volume 31 Issue 1Full text available: pdf(618.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Practical experiences are necessary to balance the theory discussed in textbooks and in


class meetings. Effective practical experiences must have a clear purpose and must motivate students to become involved as active learners. This paper presents some practical experiences for an introductory operating systems course. The experiences employ short programs with unexpected behaviors and open-ended questions. Students use these as starting points to discover more about the concepts involved. The p ...

Keywords: discovery learning, operating systems, practical experience

44 A test package for Sturm-Liouville solvers

J. D. Pryce

March 1999 **ACM Transactions on Mathematical Software (TOMS)**, Volume 25 Issue 1

Full text available:  [pdf\(212.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The author and colleagues have produced a collection of 60 test problems which offer a realistic performance test of the currently available automatic codes for eigenvalues of the classical Sturm-Liouville problem. We describe a Fortran implementation and the considerations that went into its design. A novel feature is that (almost) all the code defining one problem is textually contiguous in the Fortran text, unlike for example the DETEST package for ODE initial-value solvers where the def ...

Keywords: Sturm-Liouville problem, test-problem collection, testing software

45 Running EveryWare on the computational grid

Rich Wolski, John Brevik, Chandra Krintz, Graziano Obertelli, Neil Spring, Alan Su

January 1999 **Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  [pdf\(414.73 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

46 Spatial interpretation of domain objects integrated into a freeform electronic whiteboard

Thomas P. Moran, William van Melle, Patrick Chiu

November 1998 **Proceedings of the 11th annual ACM symposium on User interface software and technology**

Full text available:  [pdf\(130.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: customization, freeform interaction, gestural interfaces user interface design, implicit structure, informal systems, list structures, meeting support tools, pen-based systems, recognition-based systems, tailorability, whiteboard metaphor

47 Letters to the Editor


November 1998 **Linux Journal**

Full text available:  [html\(12.56 KB\)](#) Additional Information: [full citation](#), [index terms](#)

48 Decay-usage scheduling in multiprocessors

D. H. J. Epema

November 1998 **ACM Transactions on Computer Systems (TOCS)**, Volume 16 Issue 4

Full text available:  [pdf\(377.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Decay-usage scheduling is a priority-aging time-sharing scheduling policy capable of dealing with a workload of both interactive and batch jobs by decreasing the priority of a job when it acquires CPU time, and by increasing its priority when it does not use the (a) CPU. In this


article we deal with a decay-usage scheduling policy in multiprocessors modeled after widely used systems. The priority of a job consists of a base priority and a time-dependent component based on processor usage. B ...

Keywords: control, convergence, decay usage, priorities, shares

49 Exploiting software interfaces for performance measurement

Douglas P. Konkin, Gregory M. Oster, Richard B. Bunt

October 1998 **Proceedings of the first international workshop on Software and performance**

Full text available:  [pdf\(1.20 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)



50 UFO: a personal global file system based on user-level extensions to the operating system

Albert D. Alexandrov, Maximilian Ibel, Klaus E. Schauser, Chris J. Scheiman

August 1998 **ACM Transactions on Computer Systems (TOCS)**, Volume 16 Issue 3

Full text available:  [pdf\(251.25 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



In this article we show how to extend a wide range of functionality of standard operation systems completely at the user level. Our approach works by intercepting selected system calls at the user level, using tracing facilities such as the /proc file system provided by many Unix operating systems. The behavior of some intercepted system calls is then modified to implement new functionality. This approach does not require any relinking or recompilation of existing applications. In fact, the ...

Keywords: file caching, global name space, proc file system, user-level operating system extensions

51 Competitive solutions for online financial problems

Ran El-Yaniv

March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

Full text available:  [pdf\(331.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



This article surveys results concerning online algorithms for solving problems related to the management of money and other assets. In particular, the survey focuses on search, replacement, and portfolio selection problems

52 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(4.21 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)




Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

53 Application performance and flexibility on exokernel systems


M. Frans Kaashoek, Dawson R. Engler, Gregory R. Ganger, Hector M. Briceño, Russell Hunt, David Mazières, Thomas Pinckney, Robert Grimm, John Jannotti, Kenneth Mackenzie

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth**




ACM symposium on Operating systems principles, Volume 31 Issue 5Full text available:  [pdf\(2.39 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**54** Exploiting the non-determinism and asynchrony of set iterators to reduce aggregate file I/O latency ☐


David C. Steere

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5Full text available:  [pdf\(1.87 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**55** The design, implementation and evaluation of SMART: a scheduler for multimedia applications ☐

Jason Nieh, Monica S. Lam

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5Full text available:  [pdf\(2.48 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**56** Potential benefits of delta encoding and data compression for HTTP ☐

Jeffrey C. Mogul, Fred Douglass, Anja Feldmann, Balachander Krishnamurthy

October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication**, Volume 27 Issue 4Full text available:  [pdf\(2.00 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Caching in the World Wide Web currently follows a naive model, which assumes that resources are referenced many times between changes. The model also provides no way to update a cache entry if a resource does change, except by transferring the resource's entire new value. Several previous papers have proposed updating cache entries by transferring only the differences, or "delta," between the cached entry and the current value. In this paper, we make use of dynamic traces of the full contents of ...

57 The performance of μ -kernel-based systems ☐

Hermann Härtig, Michael Hohmuth, Jochen Liedtke, Sebastian Schönberg

October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5Full text available:  [pdf\(2.02 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**58** Unified versioning through feature logic ☐

Andreas Zeller, Gregor Snelting

October 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 6 Issue 4Full text available:  [pdf\(699.55 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Software configuration management (SCM) suffers from tight coupling between SCM versioning models and the imposed SCM processes. In order to adapt SCM tools to SCM processes, rather than vice versa, we propose a unified versioning model, the version set model. Version sets denote versions, components, and configurations by feature terms, that is, Boolean terms over (feature : value)-attributions. Through feature logic, we ...

Keywords: feature logic, version sets

- 59 Pen-based interaction techniques for organizing material on an electronic whiteboard
Thomas P. Moran, Patrick Chiu, William van Melle
October 1997 **Proceedings of the 10th annual ACM symposium on User interface software and technology**



Full text available: pdf(1.34 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: emergent structure, freeform interaction, gestural interfaces, implicit structure, informal systems, list structures, meeting support tools, pen-based systems, recognition-based systems, structural grouping, user interface design, whiteboard metaphor

- 60 Web-accessible network management tools



Nathan J. Muller

September 1997 **International Journal of Network Management**, Volume 7 Issue 5

Full text available: pdf(298.85 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Web-based delivery of management information is becoming a key strategic element in corporate development. This article evaluates various proprietary web-based management tools, in light of recently proposed industry standards © 1997 John Wiley & Sons, Ltd.

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